

## **Abstract**

### **Improved AAV vector for gene therapy**

Described are recombinant AAV vectors characterized in that they carry capsid protein modification(s) resulting in a reduced or eliminated heparin binding function. The AAV vectors of the present invention are particularly suitable for gene therapy by systemic application, since (a) transduction of the liver is eliminated or at least drastically reduced and (b) the transduction efficiency of non-hepatic tissues is increased.